Creer 490.000 square parts of 655cm ent types of roads for experimental and object meson purposes were into errorted during the freed year 1913 1913 ander the experience of the offee of public roads, Caited States department of agriculture, arresting to a total of over 4,000,000 equare parts of road experienced notes the super-vision of this office since 1966.

The types of roads built wars being, exacteds, off-rement mornite birumimore enterets, tituminous-worfaced esperata, bitulainoga macadam, sur face treatment, maradam, asphalt-sing. ell-papitalt-gravel, ell-gravel, oll-ciraline gravel-maredam gravel-sing sandclay, mand gumbo, burnt clay, stiell and The object lesson and experimental work during the post year wardone at a root to the local communities. of \$130,841.85. This does not include the natural and expenses of the departner, unineers.

The road work during the year was time in Arganica, Florida, Georgia, tions approved by the department of Kantucky, Maryland, Mississippi, Nebrasks, North Carollin, South Dakots, Tennessee, Terra, Virginia, Wisconsia and the District of Columbia.

CONCRETE ROADS IN HAWAY

Fine System of Highman deing De-veloped on Islands-Paradise Offered to Motorista.

A large increase in visitors to the greater cost. Hawatian Islands this year has awaiten Islands this year has Twenty-five years ago my given no. Besides the direct value of a wood-rought prominently to the front the suffect public highway was usually the lot in furnishing wood and shelter, in vital question of good roads. The secand city of the territory, Hillo, has led the way, and has already constructed handsome concrete boulevards leading four miles square. Presently the countries in making life more worth from the wharves throughout the business section. The outlying districts, federal government—which is as it erly located woodlot adds selling value under the management of a progressive local government, have put their highways in thorough order, and automotiles may now enjoy on the big island, some hundreds of miles of perfeet macadam surface through the most magnificent scenery. choice of every variety of climate, from the fully tropical to the eternal snows of the high mountains, the sland of Hawall offers a motoring paradise without a peer in the world.

Federa! Road Funds.

The apportionment of federal road funds available for the fiscal year ending June 30, 1917, are as follows for New York and neighboring states:

New Jersey	89,112.68
Consectiont	21 199 64
Delaware	8.184.21
Maine	48,451.59
Maryland	44,941.22
Massachuserts	78,856.60
New Mampahire	
Pennsylvania	279,644 17
Rhude island	11.00.11
Vermont	22,045,47
For the fiscal year	
June 20, 1918, each state	will re-
ceive double the above	figures;
for 1919 three times, f.	or 1930

four times, and for 1921 five times the amounts above stated,

CAMPAIGN IN WEST VIRGINIA

"Get Out of the Mud" Is Slogan Used in Behalf of Better Roads-Motorists Are Wanted.

"Get Out of the Mud" is the slogan used in West Virginia in a campaign In behalf of better roads. **Meveral** counties have recently voted favorably on bond issues for road improvements. and these words played an important part in the activities of good-roads advacates preceding the elections. The slogan was employed as the refrain to a song in one election. Good roads advocates in West Virginia say that entisfactory highways will bring in many motorists, as the mountain scenery of the state is of rare beauty.

It Would Ald Greatly If Roads Were Permanently Good So Bigger Loads May Be Hauled.

Do you know how much the value of your furm would be enhanced if end; 3-1 by 16-10 sides and closed your roads were permanently good so you could haul two loads one trip in-

stend of one load in two trips? Begin the improvement by putting the roads adjacent to your own ranch SMALL TRACTOR IS FAVORED is good condition, then offer your services to help in the improvement of other sections of the road.

Lot of Fungue Trouble.

There is a lot of fungus trouble this season. Blights, rusts, rots, mildews and other bacterial and fungus discases are common. There is no use dodging; we must fight them with the proper fungicides of they beat us.

Right Size of Farm. Selling off land till all debts are canceled and little or no hired help seeded has saved a good home for many a worthy family who, had they Yung to the big famu, would have lost

FAITH IN GOOD ROADS EVERY FARM NEEDS WOODLOT

Jountry Spending \$200,000,000 Yearly on Improvements.

Ratio Expected to De Soutile That Amount in Next Decade-Government Worlt Ald Community That Doesn't Help Itself.

The country is now spending well toward \$200,000,000 a year to rural viding feet poets, and wood for re-runce-perhaps from what it was juice. It may also serve as a woodapending for that purpose ten years break, and for shelter for stock. On ago, Faith in good roads growing light will so in steep stopes the trees increased . Hing the Socade in an printing if the expenditure ten years besite in sec despite \$200 000,000.

This is mainly, of murie, as effect of the goods care but a lot of people neigodge the nuries can because they gaseline reliable nowed-ye in fort about an standard on improvement an a nowing marning. The day has long Southed brigh plutiers to who wanted

By an act that become law last month the federal government purgood rousity rusine used by the postal service, starting the expense equally with the states or other local units. The work is to be done on specificasurrenirum; duly inspected and approved

The federal government ought to emptribute, for highways are a legitimate fintional interest. Under this from stock and fire, and intelligent

should be. Saturday Evening Post.

WHITEWASH OF HIGH VALUE

Government Standard Is Very White and Will Last Well When Umd on Outside Jobs.

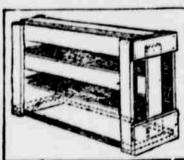
Pollowing is the well-known standand recipe for "Government White-Slake one-half bushel fresh lime with boiling water, covering it to keep in the steam. Strain liquid through a fine sieve and add seven pounds of fine suit, previously dissolved in warm water; three pounds of ground rice, boiled to a thin paste argument to convince people. and stirred in, beiling bot; one-half pound boiled gilders whiting; one water until awailer, then curefully That is convenience. melted over fire. To this mixture add . stand covered a few days.

A pint of the whitewarh will serve very white and will last well when russed. But if she has the pantry the ger of feeding it to breeding cows. used on outside work.

HANDY HOG SHIPPING CRATE

Timber Used in Construction Should Be Southern Yellow Pine-List of Material Needed.

A strong shipping crate for hogs is an easy thing to make. It should be well built of southern yellow pine. A neatly built crate, a shipping tag bear ing the shipper's name and that of his farm often will aid in selling stock.



Hog Shipping Crate.

ENHANCED VALUE OF A FARM In case the shipment is to be a long one, wire a pan of water in one cor-

Material for grate, 2 feet wide, 5 feet long and 3 feet high.

1-1 by 12 for bottom end board; 1-1 by 1-6-16 uprights and opening end: 2-1 by 12-10 floor and bottom | store. side boards; 1-1 by 6-8 cleats.-Farm and Home.

Profitable Implement If Enough Land is Cultivated to Use it Economically, Say Users.

The farm tractor is generally cultivated to use it economically, This is the opinion expressed by threefourths of the two hundred tractor users in Illinois to investigators for disking, these insects are exposed to the United States department of agriculture. About one-third of the menin this list increased the acreage, on an average 120 acres to the farm, af ter buying the tractors and finding during the fall or winter if the land is that they did not have room to use so situated as not to wash .- Farmer's them to the best advantage.

if Nature Has Not Provided One, Plant One-it is Not Difficult and Will Pay Well,

A permanent woutlint is an essential part of a well-organized farm. In the silventeis nallege and along the errorms in the plains, nature has pro-Midwell filter reservement goant and CRITICAL STATE



law it helps no community that does thinnings. After planting and cultinot first belp itself. Its participation values during a few years, if the will tend powerfully to standardize, woodlot is of artificial origin, the food building and to distribute the re. Work expended on it and the harvestsoits of experience; so it should used ing of its crops may be done in the a give a heater quality of roud for no winter, when other work is not press-

exclusive affair of a board of super- esthetic value in improving the apthere or commissioners who ruled pearsnot of the farm and in furnishfor a year over a territory three or log recreation is of considerates imties came in , then the states; now the living incidentally the well-kept propto the farm out of all proportions to the cost of establishing or tending the

FAMILY-TABLE FOOD SUPPLY

Many Advantages in Raising Fruit, Vegetables, Meat, Bread, Etc .-Convenience Counts.

There are many advantages in raising enough fruit, vegetables, meat, bread and sirup to supply the family table. The difference in cost between the store-bought foods and those awd on the farm should be sufficient

But there is another advantage that is not always mentioned when people pound white give, souked first in old are arguing for home-raised foods.

When the keeper of the farm home five gations of hot water and let it has unexpected company, as she often does or when she is very busy with her housework and finds that the supto rever nearly a square part. It is filles are out, she is greatly embarstorehouse, the smokehouse filled, little time may be lost in preparing an ale that have just been weated. They petizing ment.

ered from the garden, fruits from the the fields, less time is lost and much ne with a team must go to town.

Think of convenience and economy when you are planting crops for the excellent. food supply.

FORMALIN TO RELIEVE BLOAT

Promising Results Secured in Experiments Conducted by Experts at Kentucky Station.

Experiments conducted at the Kentucky station with formaldehyde as a treatment for cattle budly affected with blont caused by eating too much succulent clover or alfalfa has given very promising results.

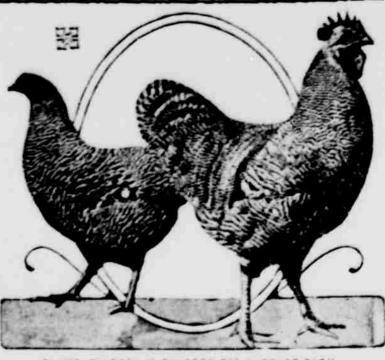
One-half cance of formalin in one quart of water makes the proper solution for treating bloated animals. After administering the remedy, a block of wood is placed in the animal's mouth to allow the better escape of the gas. In all the cases tried the cows were in normal condition 20 to 25 minutes after the formalla solution was given, even when the animals were hadly bloated and in a dangerous condition. Formatin is a trade name for a 40 per cent solution of formuldehyde, and can be secured at any drug

FALL AND WINTER PLOWING

Number of Advantages in Practice-Various Kinds of Insects Ex-posed to Cold Weather.

There are a number of advantages in fall and winter plowing. The destruction of insects is not the least of profitable implement if enough land them. Army worms, cut worms, Hessian fly, grasshoppers and other very injurious insects live over the winter in the ground and by fall plowing or the freezing wenther and killed, or they are crushed and disturbed in sheir winter sleep so that they perish. Old stubble fields should always be plowed

DESIRABLE POULTRY BREED FOR FARMER



PLYMOUTH ROCK IS FAVORED FOR AVERAGE FARM.

A anomicize of the breeds of popilitized, a ment treed or a general try will more from sovervation at the posse breed is desired. Then state the positry shows and by a study of run breeds under that classification and see the rest union all readstons. Where renditions one desires in produce williescheiled. Phases to Consider, aggs, regardless of ment qualities, selection may be made from the many as the following: varieties of Legisorus Minorous Com- Loos your murket wint white of pixes, etc. If the chief desire is for brown eggst. The Legisorus produce large, well feeled, nurket fowls, the white eggs and the Plymouth Rock are the Brahmas Laugebons, Cochins, brown, Dorkings or Cornoli Indians to choose | Issee the nursed want pellow-skinned

The general farm poultry rules de Copungtons a white sain. sizes a combination of probtable egg . Are the hirds to be kept closely production and good-sized currences fined or are they to range visiting? The for producing table positry. To fill Brahmas are stuggests poor rengers these requirements we have numerous and are easily confined; while the Leg-variaties of Legherns. Minerous tume forms are netter good rougers and do dotter. Bhode Island Reds. Buckeyes, best when allowed grantically unlimit-

First, determine whether an egg tion,

" literature. Bemeinder that there which will most nearly fill the require is to use lived which is better than ments of your market suit your leval-

or whote-skinned currenseed. The Wyunstories have a veriew skin and the

ed range.-Leutsiana Experiment Sta-

No Danger in Feeding it to Breeding Animals.

herd there is no reurhage that is due evidently from infection received better than slinge. All the unimals in stagment ponds have been reported will relish a ration containing it, and to the veterinary department of Okiait will create an appetite for other home A and M college. Animals that feeds. Cows that are fed on all the stand in water for a time suffer from stage they will consume, along with cracks and seres upon their feet after good hay, will go through the winter going out into dry, not dust, in hoe shape and make gains. Some The dirt and slime in the pond act dry course fodder or straw should as irritants and cause soroners which siways he kept before animals get sometimes results in inheness in the ting slings, as it reduces the amount unimal. Dr. W. P. Sauler of the colof silage to be consumed and keeps legs gives the following treatment: the bowels from getting too loose. Zinc exide one part, sinked lime one The succulent feed will cause the part, horic and two parts and givercreeding cows to give a good flow in or sweet oil sufficient to make a sort of milk even though the calf be of paste. Wish the affected fact with born in mid-winter, and a thrifty exif scap and warm water, or one per cent will result. If the sligge is free from kreso solution, sponging it off dry and moldy or rotten spots there is no dan- then applying the pasty mixture.

Silege is especially good for cuives HAIRY VETCH OF MUCH VALUE that have just been sucker than to Used in North Carolina in Rotation less due to wearing. The slinge should orchard, peas, beans or potatoes from be supplemented with good cowpea. clover or nifnifn hay, and the calves less expense incurred than when some- | should have a small amount of grain. A mixture of one-half corn chops and one-half cuttonseed or peanut mesi is

FEEDING TESTS FOR SWINE

Results Given of Experiments Made at Florida Station-Five Lots of Pigs Were Fed.

Five lots of four 63-pound pigs each were fed by the Florida station 30 days, as follows: Lot 1, corn alone; lot 2, corn and cracked velvet beans (3.1); lot 3, corn and cracked velvet beans (1.11); lot 4, corn and cracked velvet beans (1.1) and iron sulphate, and lot 5, corn and cracked velvet-benn meni (3.1) and iron welphate. They made average dally gains of 0.46. 0.03, 0.50, 0.52 and 0.53 pounds per head, consuming, per pound of gain. 6.55, 4.8, 5.37, 5.74 and 5.63 pounds of feed, at a cost of 11, 6.7, 5.7, 6.1 and 7.0 cents per pound of gain for the re-

BENEFITS OF CROP ROTATION

Helps to Maintain Fertility of Soil, Conserve Moisture and Aids in Control of Weeds.

There is, perhaps, no single practice in farm management of more importance than a systematic rotation of crops. It will help to maintain fertilconserve soil moisture and control of weeds, and yet withil, it is a feature of farm work to which, as a rule, very little consideration is given.

OILED PAPER IS EXCELLENT

Splendid Material for Packing Tree Seedlings-Paper-Lined Burlap Is Also Good.

Olled paper has been found to be an excellent material for packing tree seedlings, when shipped in crates. When crates are not used, paper-lined buriap makes a particularly satisfactory wrapper.

Suffer From Cracks-Dirt and Stime Act as Irritants.

For wintering the entire breeding. Many cases of sore feet in cattle.

With Corn and Cotton to Build Up Soil Productivity.

About ten years go, on a plove of poor clay-learn soil at the North Caroina station, vetch was used in rotation with corn and cotton to build up productivity. The soil was in a runown, humus-deficient condition and ould produce only meager crops, as t tended to run together and cement after each rain.

Within five years, by the use of vetch in the rotation and the judicious application of commercial fertilizers, the productivity of the land was increased more than 200 per cent, and the soil was brought to a loose and friable condition. The vetch was sown each fall after the corn or cotton and plowed into the soil during the following spring after it had about completed its growth.

CLOVER AS A WINTER COVER

Follow It With Corn and Then Rye to Be Turned Under for Tobacco -Improve Soil First,

Even the tobacco grower can inve the advantage of clover as a winter cover, if he follows it with corn and the corn with rye to be turned under for tobacco. Many bright tobacco growers will tell you that they cannot use an improving rotation and get their land into high condition without injuring the quality of the tobacco crop. If this is really true the farmer had better abandon tobacco and grow crops that will enable him to improve his soil .- Pro gressive Farmer.

GOOD FOUNDATION FOR EGGS

Build on Meat and Then Erect Superstructure With Feather Trimmings and Fancy Points.

The country wants eggs and poul try, and we cannot get these by build ing on a foundation of feathers and

fancy points. Let the foundation be of eggs and poultry ment. We can then build a superstructure with feather trip mings.

WIFE TOO ILL

IN BED MOST OF TIME

Her Health Restored by Lydia E. Pinkham's Vegetable Compound.

Indianapolis, Indiana. - "My health was so poor and my constitution so run not work. I was weighed but 109 pounds and was in bed most of the time. I began taking Lydia E. Pinkham's Vegetable Compound and five

months later 1

weighed 133 pounds.

I do all the housework and washing for eleven and I can trutafully say Lydia E. Pinkham's Vegetable Compound has been a godsend to me for I would have been in my grave today but for it. I would tell all women suffering as I was to try your valu-able remedy. "- Mrs. Ww. GREEN, 302 S. Addison Street, Indianapolis, Indiana.

There is hardly a neighborhood in this country, wherein some woman has not found health by using this good old-

fashioned root and herb remedy.

If there is anything about which you would like special advice, write to Lydia E. Pinkharn Medicine Co., Lynn,

GALL STORES OF AVOIDORS OF A COMMENT OF THE COMMENT

SILAGE RELISHED BY STOCK STAGNANT PONDS HURT FEET WOMAN HAD TRUE CHARITY

to Boundy Co., Dopt. W. S. \$13 S. Dearture St., Chicago

No Winter Roughage That is Better- Animals Standing in Water for Time Refusal to Judge Others Harshly Proves Possession of the Highest Christian Character.

> There died a short time ago a weman who never occupied or aspired to occupy, a conspicuous position in the world but who was beloved by all who knew her. The secret of her charm acy in her charity-not the charity of simegiving, although she was always penhanded to those in need-but the broader charity that consists in leniency toward the fruitties of others. What goests even goests not unduly barsh assisted man of woman she in "Well, now, muche if you knew all about the case you difind the poor man for widenite wash't so much to blame

character that remark conveys. And and a least in Christian charity it enches. It is the Ten Commundments h is smale sentences. Philosopher or thouloglar, never uttered a more beaumore perfect shaft.

What a different world It would be if everyone judged the world's people but way .- Youngstown Telegram.

New York has 1,000 Chinese laun

The man of business is born, not



Sunny Dispositions

and good digestion go hand in hand, and one of the biggest aids to good digestion is a regular dish of

Grape Nuts

This wonderfully delicious wheat and barley food is so processed that it yields its nourishing goodness to the system in about one hour-a record for ease of digestion.

Take it all 'round, Grape-Nuts contributes beautifully to sturdiness of body and a radiant, happy personality.

Every table should have its daily ration of Grape-Nuts.

"There's a Reason"